

Create a Stomach Solution

Follow the steps below to create a simulation of how simethicone works in the stomach.

Step One: Create a Stomach Solution

Create a stomach solution to use for testing simethicone tablets.

1. Pour 1 cup of water and 5 drops of dish soap into a clear container for testing. This represents the contents of an empty stomach.
2. Place the drinking straw into the liquid and gently blow bubbles for 10 seconds. Notice that the bubbles collect on top of the liquid. This represents the gas bubbles that can collect in your stomach when you eat some foods. Record your observations in the data table using comparative words like; a lot of bubbles, less bubbles, hardly any bubbles and no bubbles.

Step Two: Test Simethicone Tablets

It's time to add simethicone tablets to see if you can reduce the ability of the stomach solution to form bubbles. Use the chart below to keep track of the number of simethicone tablets added and the how they effect the collection of bubbles that collect on top of the liquid.

1. Get a small handful of simethicone tablets from your teacher.
2. Break one simethicone tablet in half.
3. Place 1/2 of the simethicone tablet in the bowl and crush with a metal spoon.
4. Pour the crushed 1/2 tablet to the liquid. Mix with a mixing spoon for at least 60 seconds.
5. Place the drinking straw into the liquid and blow bubbles. Pay attention to if bubbles form and collect on the top of the liquid. Write your observations in the data table.
6. Keep adding 1/2 of a tablet at a time and using the straw to test if bubbles form and collect on top of the liquid. Each time you add part of a tablet, write your observations in the chart below. Continue until bubbles no longer collect on top of the liquid.
7. Once bubbles stop forming, make sure that you write your observations and the number of tablets used in the data table. Repeat this entire process two more times. Use these results to determine how much simethicone is needed to stop bubbles from collecting.

Data Table

	Bubbles that collect on top of the liquid		
Amount of tablets used	Trial 1	Trial 2	Trial 3
0			
0.5			
1			
1.5			
2			
2.5			
3			
3.5			
4			
4.5			
5			

Create a Logo

Follow the steps below to create a logo for a medicine that contains simethicone.

Step 1: Create a Name for Your Company

My company's name is:

Step 2: Create a Logo For Your Company

Use the space below to create a logo for your company! Make sure that you include your company name in your logo, and include that your medication contains simethicone.